

Title (en)

Strip-map synthetic aperture radar auto-focus

Title (de)

Autofokus von Radar mit synthetischer Apertur im Strip-Map-Modus

Title (fr)

Mise au point automatique de radar à ouverture synthétique avec carte de bande

Publication

EP 2180338 B1 20120801 (EN)

Application

EP 09252364 A 20091006

Priority

GB 0819577 A 20081024

Abstract (en)

[origin: EP2180338A1] A strip-map Synthetic Aperture Radar (SAR) auto-focus image generation process is provided. Batches of raw radar return data are processed in order to form batch images which each have a valid region between invalid regions. The process determines an estimate of the first derivative of a phase error at an end of the valid region, determines a time-shift corresponding to that estimate and uses that information in determining a starting point for the next batch of raw radar return data.

IPC 8 full level

G01S 13/90 (2006.01)

CPC (source: EP GB US)

G01S 13/9019 (2019.04 - EP US); **G01S 13/904** (2019.04 - EP GB US); **G01S 13/9054** (2019.04 - EP US)

Cited by

FR2960300A1; EP2388617A3; US8564473B2; US10107895B2; DE102015205744A1; DE202015009348U1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)

EP 2180338 A1 20100428; **EP 2180338 B1 20120801**; GB 0819577 D0 20081203; GB 2464731 A 20100428; US 2010103028 A1 20100429; US 8102299 B2 20120124

DOCDB simple family (application)

EP 09252364 A 20091006; GB 0819577 A 20081024; US 60542809 A 20091026